

28  
Aug 07

X - R A Y   S O L A R   F L A R E S

AUGUST            2007

Sta Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	Mo	CMP Day	Dur (Min)	Imp Xray	Total	Total Area(2)	Total(3) Intensity
											Integrated Flux(1)		
GOES 06	0145	0153	0159	S07	E44	10966			14	B 4.2	2.4E-04		
GOES	0905	0913	0921	S05	E41	10966			16	C 1.5	8.5E-04		
GOES	1524	1537	1546	S08	E38	10966			22	C 1.1	1.0E-03		
GOES	2240	2248	2255						15	B 1.3	1.1E-04		
GOES 08	1226	1230	1236						10	B 1.4	7.6E-05		
GOES 14	1744	1747	1749						5	B 1.4	2.2E-05		
GOES 17	2306	2312	2321						15	B 1.2	9.7E-05		
GOES 18	1121	1136	1147						26	B 3.3	3.7E-04		
GOES	2234	2238	2244						10	B 1.0	5.7E-05		
GOES 22	1129	1135	1143						14	B 1.2	8.9E-05		
GOES 24	0749	0754	0758	S06	E41	10969			9	C 2.0	5.6E-04		
GOES	1148	1153	1156	S03	E45	10969			8	B 3.4	8.9E-05		
GOES	1934	1937	1940						6	B 1.1	2.5E-05		
GOES	2326	2330	2334	S04	E36	10969			8	B 2.2	8.1E-05		
GOES 31	0154	0159	0204						10	B 1.1	5.9E-05		
GOES	0649	0653	0657						8	B 1.5	5.3E-05		
GOES	1618	1622	1628						10	B 1.1	6.0E-05		

Note 1: Total integrated flux computed from the event start time to end if available (units=J/m\*2).

Note 2: Total area is derived from SXI imagery in units of squared arc seconds of the largest flaring area.

Note 3: Total intensity is derived from SXI imagery in units of data numbers/second of the largest flaring area.

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TABLE FORMAT CHANGE: Data are from the GOES full disk xray monitor supplemented with Solar Xray Imager (SXI) from January, 2004, to April 12, 2007. Positions, areas, and intensities are taken from SXI imagery using the largest flare event on the disk. Only the largest event is selected during multiple flares on the disk.

IMPORTANT NOTE: The xray sensor on GOES 12 was turned off on April 12, 2007, at 2250UT. The GOES SXI instrument is also inoperative. GOES 11 is now primary with GOES 10 backup for xray data. Effective April 13, 2007, xray flare locations will be determined by optical flare reports. Xray event times will still be from the xray data.